

ABSTRACT

According to this process:

(a) air is distilled in at least one air distillation apparatus (8) so as to produce a stream of liquid oxygen containing most of the krypton and xenon from the air, and this stream of liquid oxygen is vaporized;

(b) a partial oxidation of at least one hydrocarbon is carried out with at least one portion of the gaseous oxygen obtained in step (a), so as to produce a syngas containing at most 0.1 ppm mol of oxygen; and

(c) constituents other than krypton and xenon are removed from the syngas.

Figure 1 -